PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2003P13387WO	FOR FURTHER ACTION	See Form PCT/IPEA/416						
International application No.	International filing date (day/month/year)	Priority date (day/month/year)						
PCT/EP2004/008157	21.07.2004	22.09.2003						
International Patent Classification (IPC) or n	ational classification and IPC							
H04L12/28, H04L29/06								
Applicant SIEMENS AKTIENGESELLSCHAFT								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total o	f sheets, inc	luding this cover sheet.						
 This report is also accompanied by 	ANNEXES, comprising:							
a. (sent to the applicant a	nd to the International Bureau) a total of	sheets, as follows:						
sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
· ·	ersede earlier sheets, but which this Authority	y considers contain an amendment that goes beyond						
the disclosure in Box.	the international application as filed, as indi-	cated in item 4 of Box No. I and the Supplemental						
	al Bureau only) a total of (indicate type and m	umber of electronic carrier(s))						
o. Sem to the fraction	and in the desired of the death							
related thereto, in compu	ter readable form only, as indicated in the S	, containing a sequence listing and/or tables upplemental Box Relating to Sequence Listing (see						
Section 802 of the Admir	•							
4. This report contains indications rel	ating to the following items:							
Box No. I Basis of	the report							
Box No. II Priority								
Box No. III Non-esta	blishment of opinion with regard to novelty, in	nventive step and industrial applicability						
Box No. IV Lack of t	unity of invention							
DON TIO. 1								
Box No. VI Certain d								
Box No. VII Certain d								
Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of completion	of this report						
		-						
Name and mailing address of the IPEA/EP	Authorized officer							
Facsimile No.	Telephone No.							

International application No.

PCT/EP2004/008157

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Box	No. I	1	Basis of the report				
1.			the language , this report is based on the internation or this item.	nal application in the language in	which it was filed, unless otherwise		
		_	ort is based on translations from the original langua, the language of a translation furnished for the purp		,		
		int	ternational search (Rule 12.3 and 23.1(b))				
		L pu	blication of the international application (Rule 12.4))			
		int	ernational preliminary examination (Rule 55.2 and/	or 55.3)			
2.	recei		ard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the goffice in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to ort):				
		the inter	national application as originally filed/furnished				
	\boxtimes	the descr	ription:				
		pages	1-3,10-13		as originally filed/furnished 15.07.2005 with letter		
		pages*	4-9,9a	received by this Authority on			
		pages*		received by this Authority on			
	\boxtimes	the clain	ns:				
		nos.			as originally filed/furnished		
		nos.*			r with any statement) under Article 19		
		nos.*	1-8		15.07.2005 with letter		
		nos.*		received by this Authority on			
	\boxtimes	the draw	rings:				
		sheets			as originally filed/furnished		
		sheets*					
		sheets*		•			
	П		nce listing and/or any related table(s) – see Supplement				
	\exists	•		ental Box Relating to sequence L	isung.		
3.	Ш		endments have resulted in the cancellation of:				
			e description, pages				
			the claims, nos.				
		L the	e drawings, sheets/figs				
		L the	e sequence listing (specify):				
4.		they hav	ort has been established as if (some of) the amend to been considered to go beyond the disclosure as fil	ed, as indicated in the Supplemen	atal Box (Rule 70.2(c)).		
		the	e description, pages				
		L the	e claims, nos.				
		L the	e drawings, sheets/figs				
		L the	e sequence listing (specify):				
		an	y table(s) related to sequence listing (specify):				
*	If ite.	m 4 appli	es, some or all of those sheets may be marked "supe	erseded."			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/008157

Box No. V Reasoned statement under Article 35(2) with regard to novelty citations and explanations supporting such statement			ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-8	YES
		Claims		NO
	Inventive step (IS)	Claims	1-8	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-8	YES
		Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - 1. The invention relates to a method for managing a group of network access servers (independent claim 1) and to a network access server comprising means for integration into a group of network access servers (independent claim 7). The method and the server are implemented using the "Multichassis Multilink Point to Point Protocol" (MMP).

2. Prior art:

D1 (XP002300000) is regarded as the closest prior art and defines a stack group in a "Multichassis Multilink Point to Point Protocol" (MMP) environment. The stack group corresponds to the address list according to the preamble of the independent claims. According to D1, an administrator can manage this list by individually adding additional entries or removing entries using a Command Line Interface (CLI).

3. Difference:

The subject matter of the independent claims differs from the teaching in D1 in that, according to the invention,

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- when a new network access server is logging on, a first message is sent from the new server to the other servers in this group,
- in that the network access servers for this group store the address of the new server in an address list and each send a second message to the new server, and
- in that the second messages are received by the new network access server and used to create and store an address list of all of the servers in this group.

3. Problem

The problem to be solved is regarded as that of rendering it easier to configure the address list.

4. Solution

According to the features of the two-part form of the claims, the servers of one group autonomously exchange messages in order to keep the address list updated. Therefore, it is not necessary for an administrator to manage the list in each server manually.

The prior art, in particular D1, contains nothing that would prompt a person skilled in the art to implement a method or a network access server according to the independent claims.